

Abstract:

An elongated tubular needle for injecting a fluid into a human body or retracting a fluid from the human body, comprising; a tubular needle cannula (1) having a skin piercing distal end (4), an opposite proximal end (5), and a tubular sidewall (2) there between having an outside diameter at the skin piercing end (4) which is smaller than the outside diameter at the opposite proximal end (5) thereof, and a cylindrical lumen (3) extending through the needle cannula (1) and having approximately the same uniform inside diameter through the needle cannula (1).